

Attorney's Docket No.: 07039-145001

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Michael Toft Overgaard, et al.

Art Unit : Unknown

Serial No. : 09/936,602

Examiner : Unknown

Filed : September 14, 2001

Title : INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN-4 PROTEASE

Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL

The following correspondence relating to this application is enclosed for filing:

1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (3 pages);
3. Copies of Cited References (38);
4. Copy of International Search Report (4 pages); and
5. A Return Postcard.

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Respectfully submitted,

Date: 4/23/02

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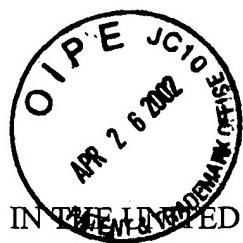
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INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07039-145001	Application No. 09/936,602
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))			
		Applicant Michael Toft Overgaard, et al.	
		Filing Date September 14, 2001	Group Art Unit Unknown

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U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,876,433	03/02/99	Lunn			
	AB	6,172,198	01/09/01	Sinosich			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AC	WO 94/21686	09/29/94	PCT				
	AD	WO 99/32620	07/01/99	PCT				
	AE	WO 00/54806	09/21/00	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AF	GenBank Accession No. J02642
	AG	GenBank Accession No. J04038
	AH	GenBank Accession No. M10277
	AI	GenBank Accession No. M34462
	AJ	GenBank Accession No. X00351
	AK	GenBank Accession No. X14088
	AL	GenBank Accession No. X68280
	AM	Ausubel et al. (eds.), <u>Short Protocols In Molecular Biology</u> , 2 nd Edition, 1992, Chapter 11, Greene Publishing Associates and John Wiley & Sons, New York, pp. 11-1 – 11-54
	AN	Bersinger and Klopper, "The pattern of serum levels of pregnancy-associated plasma protein A (PAPP-A) during the ovulatory menstrual cycle," <u>Br. J. Obstet. Gynaecol.</u> , 1984, 91:1245-1248
	AO	Bischof et al., "Is pregnancy-associated plasma protein A a tumor marker?" <u>Am. J. Obstet. Gynecol.</u> , 1982, 143:379
	AP	Bonno et al., "Localization of Pregnancy-Associated Plasma Protein-A and Colocalization of Pregnancy-Associated Plasma Protein-A Messenger Ribonucleic Acid and Eosinophil Granule Major Basic Protein Messenger Ribonucleic Acid in Placenta," <u>Lab. Invest.</u> , 1994, 71(4):560-566
	AQ	Cataldo et al., "Regulation of Insulin-Like Growth Factor Binding Protein Production by Human Luteinizing Granulosa Cells Cultured in Defined Medium," <u>J. Clin. Endocrinol. Metab.</u> , 1993, 76:207-215
	AR	Cataldo et al., "Interferon-γ and Activin A Promote Insulin-Like Growth Factor-Binding Protein-2 and -4 Accumulation by Human Luteinizing Granulosa Cells, and Interferon-γ Promotes Their Apoptosis," <u>J. Clin. Endocrinol. Metab.</u> , 1998, 83:179-186

Examiner Signature	Date Considered
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AS	Chandrasekher et al., "Estrogen- But Not Androgen-Dominant Human Ovarian Follicular Fluid Contains an Insulin-Like Growth Factor Binding Protein-4 Protease," <u>J. Clin. Endocrinol. Metab.</u> , 1995, 80(9):2734-2739
	AT	Chandrasekher et al., "Role of Insulin-Like Growth Factor Binding Protein-4 (IGFBP-4) and IGFBP-4 Protease in Human Granulosa Cell Function," <u>Proceedings of the 28th Annual Meeting of the Society for the Study of Reproduction</u> , 1995, Davis, California, pp. 82, Abstract # 102
	AU	Conover et al., "Posttranslational Regulation of Insulin-like Growth Factor Binding Protein-4 in Normal and Transformed Human Fibroblasts," <u>J. Clin. Invest.</u> , 1993, 91:1129-1137
	AV	Conover et al., "Evidence That The Insulin-Like Growth Factor Binding Protein-4 Protease In Human Ovarian Follicular Fluid Is Pregnancy Associated Plasma Protein-A," <u>J. Clin. Endocrinol. Metab.</u> , 1999, 84(12):4742-4745
	AW	Durham et al., "Alterations in Insulin-Like Growth Factor (IGF)-Dependent IGF-Binding Protein-4 Proteolysis in Transformed Osteoblastic Cells," <u>Endocrinology</u> , 1995, 136(4):1374-1380
	AX	Haaning et al., "Complete cDNA sequence of the preproform of human pregnancy-associated plasma protein-A – Evidence for expression in the brain and induction by cAMP," <u>Eur. J. Biochem.</u> , 1996, 237:159-163
	AY	Huse et al., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda," <u>Science</u> , 1989, 246:1275-1281
	AZ	Iwashita et al., "Physiological Role of Insulin-Like-Growth-Factor-Binding Protein-4 in Human Folliculogenesis," <u>Horm. Res.</u> , 1996, 46(Suppl. 1):31-36
	AAA	Kristensen et al., "Amino Acid Sequence of Human Pregnancy-Associated Plasma Protein-A Derived from Cloned cDNA," <u>Biochem.</u> , 1994, 33:1592-1598
	ABB	Kuhajda and Eggleston, "Pregnancy-Associated Plasma Protein A," <u>Am. J. Pathol.</u> , 1985, 121:342-348
	ACC	Lawrence et al., "The insulin-like growth factor (IGF)-dependent IGF binding protein-4 protease secreted by human fibroblasts is pregnancy-associated plasma protein-A," <u>Proc. Natl. Acad. Sci. USA</u> , 1999, 96:3149-3153
	ADD	Lin et al., "Characterization of four human pregnancy-associated plasma proteins," <u>Am. J. Obstet. Gynecol.</u> , 1974, 118(2):223-236
	AEE	Overgaard et al., "Messenger Ribonucleic Acid Levels of Pregnancy-Associated Plasma Protein-A and the Proform of Eosinophil Major Basic Protein: Expression in Human Reproductive and Nonreproductive Tissues," <u>Biology of Reproduction</u> , 1999, 61:1083-1089
	AFF	Oxvig et al., "Isolation and characterization of circulating complex between human pregnancy-associated plasma protein-A and proform of eosinophil major basic protein," <u>Biochim. Biophys. Acta</u> , 1994, 1201:415-423
	AGG	Qin et al., "Double-monoclonal immunofluorometric assays for pregnancy-associated plasma protein A/proeosinophil major basic protein (PAPP-A/proMBP) complex in first-trimester maternal serum screening for Down syndrome," <u>Clin. Chem.</u> , 1997, 43(12):2323-2332
	AHH	Qin et al., "Studies on the Role of Human Insulin-like Growth Factor-II (IGF-II)-Dependent IGF Binding Protein (hIGFBP)-4 Protease in Human Osteoblasts Using Protease-Resistant IGFBP-4 Analogs," <u>J. Bone Mineral Res.</u> , 1999, 14(12):2079-2088
	AII	Schwartz et al., "Restenosis After Balloon Angioplasty – A Practical Proliferative Model in Porcine Coronary Arteries," <u>Circulation</u> , 1990, 82:2190-2200

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AJJ	Seppälä et al., "Pregnancy Proteins in Seminal Plasma, Seminal Vesicles, Preovulatory Follicular Fluid, and Ovary," <u>Annals of the New York Academy of Sciences</u> , 1985, 442:212-226
	AKK	Sjöberg et al., "Hyperstimulated human preovulatory follicular fluid, luteinized cells of unruptured follicles, and corpus luteum contain pregnancy-associated plasma protein A (PAPP-A)," <u>Fertility and Sterility</u> , 1984, 41(4):551-557
	ALL	Van Dessel et al., "Serum and Follicular Fluid Levels of Insulin-Like Growth Factor I (IGF-I), IGF-II, and IGF-Binding Protein-1 and -3 during the Normal Menstrual Cycle," <u>J. Clin. Endocrinol. Metab.</u> , 1996, 81(3):1224-1231

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